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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/006,266 | 12/04/2001 | Masaaki Isozu | 09792909-5283 | 2060 |

26263 7590 03/25/2005

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| EXAMINER |
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DOAN, DUYEN MY

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| ART UNIT | PAPER NUMBER |
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2143

DATE MAILED: 03/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/006,266

Applicant(s)

ISOZU ET AL.

Examiner

Duyen M Doan

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 March 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 04 December 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

Detail Action

Claims 1-20 are presented for examination.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Examiner request applicant to clarify *"said session control means along with rewriting the session status according to a request from said control terminal, also outputs an address rewrite processing request to said address conversion means"*.

Claims 1 recites the limitation "said control terminal". There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the

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applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 6, 8, 9, 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shigeta (us pat 6667974) in view of Samadi et al us pat 5664007 (hereinafter Samadi).

As regarding claim 1,9,20 Shigeta discloses session control means for controlling the session status of data communication sessions on said control terminal connected to said local network (col.5, lines 43-55, col.7, lines 5-23, registration part in Fig.8); and address conversion means for converting the destination address of data relayed by said communications relay device (col.5, lines 43-55, address conversion part in Fig.8); said session control means along with rewriting the session status according to a request from said control terminal (col.5, lines 42-55, registration part rewrites table when status of system switch), also outputs an address rewrite processing request to said address conversion means, and said address conversion means rewrites the address set in the session based on the address rewrite processing request from said session control means (col.5, lines 43-55, col.7, lines 5-23).

As regarding claim 6, 14 Shigeta disclose copy processing or cache processing of relay data in said communications relay device is executed in response to a request from said control terminal (col.3, lines 1-9).

As regarding claim 8, Shigeta discloses session control table is composed of a destination address and a source address made to correspond to said session identifier (table in Fig.2).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 2, 3, 4, 5, 7, 10, 11, 12, 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shigeta (us pat 6667974) as applied to claim 1 above, in view of Samadi et al, us pat 5664007 (hereinafter Samadi).

As regarding claim 2,10 Shigeta discloses all the limitations of claim 1 above, but fail to disclose said session control means temporarily stops the relay of data relayed by said control terminal based on a pause request from said control terminal. However Samadi teaches said session control means temporarily stops the relay of data relayed by said control terminal based on a pause request from said control terminal (Fig.1, step 109, col.3, lines 61-67 to col.4, lines 1-10).

It would have been obvious to one with ordinary skill in the art at the time of the invention was made to combine the teaching of Samadi with Shigeta to temporarily stop when receive the pause request from the terminal to provide interconnection between networks so as to permit an on going call to continue as user moving from one area to another (see Samadi col.1, lines 49-54).

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As regarding claim 3, 11 Shigeta discloses session control means, outputs an address rewrite processing request to set the destination address of relay data (col.7, lines 5-23), but fail to disclose corresponding to a session designated by said session identifier contained in the resume request as said request transmit terminal in response to a resume request from said control terminal to said address conversion means. Samadi teaches session identifier contained in the resume request as said request transmit terminal in response to a resume request from said control terminal to said address conversion means (col.2, lines 1-7, col.4, lines 1-2 (reconnection identification information-session identifier)).

It would have been obvious to one with ordinary skill in the art at the time of the invention was made to combine the teaching of Samadi with Shigeta to rewrite the address when receive a resume request from the terminal to provide interconnection between networks so as to permit an on going call to continue as user moving from one area to another (see Samadi col.1, lines 49-54).

As regarding claim 4, 12 Shigeta discloses limitations of claim 1 above but fail to disclose outputs a list showing the control sessions in said communications relay device, to said request transmit terminal, in response to a list request constituting the request from said control terminal. Samadi teaches output a list to transmit terminal in response to a list request (col.3, lines 61-67 to col.4, lines 1-13).

It would have been obvious to one with ordinary skill in the art at the time of the invention was made to combine the teaching of Samadi with Shigeta to provide

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interconnection between networks so as to permit an on going call to continue as user moving from one area to another (see Samadi col.1, lines 49-54).

As regarding claim 5, 13, Shigeta disclose limitations of claim 1 above, but fail to disclose session control means outputs a list showing control sessions in said communications relay device, to a destination terminal contained in the call request, in response to a call request constituting the request from said control terminal (col.3, lines 61-67 to col.4, lines 1-13).

As regarding claim 7, Shigeta disclose communications relay device possesses a session control table (see Fig.8, table 811), but Shigeta fail to disclose matches the session status with session identifier of the data session in said control terminal, and said session control means controls the session status based on said session control table, and rewrites the session status, Samadi teaches session status with session identifier of the data session in said control terminal, and said session control means controls the session status based on said session control table, and rewrites the session status (col.9, lines 18-67 to col.10, lines 1-21).

It would have been obvious to one with ordinary skill in the art at the time of the invention was made to combine the teaching of Samadi with Shigeta to provide interconnection between networks so as to permit an on going call to continue as user moving from one area to another (see Samadi col.1, lines 49-54).

As regarding claim 15, Shigeta discloses A communications terminal device for receiving data by way of said communications relay device (col.5, lines 20-24), but Shigeta fail to disclose terminal device outputs to said communications relay device a

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resume request as the data transmit request accompanying the designated session identifier. Samadi teaches resume request as the data transmit request accompanying the designated session (col.2, lines 1-23).

It would have been obvious to one with ordinary skill in the art at the time of the invention was made to combine the teaching of Samadi with Shigeta to provide interconnection between networks so as to permit an on going call to continue as user moving from one area to another (see Samadi col.1, lines 49-54).

As regarding claim 16, Samadi discloses terminal device outputs a pause request to said communications relay device to temporarily stop the on-going relay of data in said control terminal (col.2, lines 1-7). The same motivation was utilized in claim 15 applied equally well to claim 16.

As regarding claim 17, Samadi discloses terminal device outputs to said communications relay device, a list request as the output processing request for a list showing the session processed in said communications relay device (col.3, lines 61-67 to col.4, lines 1-13). The same motivation was utilized in claim 15 applied equally well to claim 17.

As regarding claim 18, Samadi discloses terminal device outputs to said communications relay device, a call request for a destination terminal contained in a request showing the session processed in said communications relay device (col.3, lines 61-67 to col.4, lines 1-13). The same motivation was utilized in claim 15 applied equally well to claim 18.

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As regarding claim 19, Shigeta discloses terminal device outputs to said communications relay device, a copy processing request or a cache processing request for relay data in said communications relay device (col.3, lines 1-9).

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Duyen M Doan whose telephone number is (571) 272-4226. The examiner can normally be reached on 9:30am-6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David A Wiley can be reached on (571) 272-3923. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Examiner
Duyen Doan
Art unit 2143

DD


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